Table 1 - New Links

RBR	L_4
SMC-1000#B	C-MSS-12170
ESN-1000#B	C-MSS-18060
ESN-1000#B	C-MSS-18070
SMC-1000#B	C-MSS-18260
IMS-1665#B	C-MSS-18330
ESN-1000#B	C-MSS-18340
DADS1320#B	C-MSS-36090
IMS-1665#B	C-MSS-36090
ESN-0070#B	C-MSS-36100
ESN-0620#B	C-MSS-36100
ESN-0740#B	C-MSS-36100
ESN-0790#B	C-MSS-36100
ESN-0810#B	C-MSS-36100
ESN-0840#B	C-MSS-36100
ESN-0900#B	C-MSS-36100
ESN-1070#B	C-MSS-36100
DADS1860#B	C-MSS-40000
ESN-0650#B	C-MSS-40120
IMS-0460#B	C-MSS-57500
SMC-8860#B	C-MSS-57510
IMS-0460#B	C-MSS-57530
IMS-0460#B	C-MSS-57540
SMC-8860#B	C-MSS-57540
IMS-0460#B	C-MSS-57560
IMS-0460#B	C-MSS-57580
IMS-0460#B	C-MSS-57600
IMS-0460#B	C-MSS-57610
IMS-0460#B	C-MSS-57620
IMS-0460#B	C-MSS-57630
SMC-8860#B	C-MSS-57630
IMS-1645#B	C-MSS-58010

SMC-8800#B	C-MSS-58060
SMC-8800#B	C-MSS-58120
ESN-0760#B	C-MSS-60300
ESN-0810#B	C-MSS-60300
DADS1310#B	C-MSS-60390
DADS1320#B	C-MSS-60390
ESN-1000#B	C-MSS-60610
SMC-3300#B	C-MSS-66070
SMC-3305#B	C-MSS-66070
DADS1340#B	C-MSS-66320
IMS-1650#B	C-MSS-67000
DADS1340#B	C-MSS-67010
DADS1340#B	C-MSS-68090
IMS-1060#B	C-MSS-75045
IMS-1060#B	C-MSS-75050
IMS-0060#B	C-MSS-75052
SMC-7300#B	C-MSS-75055
IMS-1060#B	C-MSS-75057
IMS-1060#B	C-MSS-76000
IMS-1660#B	C-MSS-76000
SDPS0010#B	C-MSS-76000
SDPS0010#B	C-MSS-76005
IMS-1660#B	C-MSS-76010
SDPS0010#B	C-MSS-76010
IMS-1310#B	C-MSS-77050
SMC-8300#B	C-MSS-90020
SMC-8305#B	C-MSS-90020
SMC-8300#B	C-MSS-90120
SMC-8305#B	C-MSS-90120
SMC-8300#B	C-MSS-90170
SMC-8305#B	C-MSS-90170
SMC-8300#B	C-MSS-90200
SMC-8305#B	C-MSS-90200

SMC-8300#B	C-MSS-90210
SMC-8305#B	C-MSS-90210
IMS-1700#B	C-MSS-90520
SMC-8700#B	C-MSS-90520
SMC-8700#B	C-MSS-90530
SMC-8770#B	C-MSS-90530
SMC-8300#B	C-MSS-91010
SMC-8700#B	C-MSS-91010
SMC-8700#B	C-MSS-91030
SMC-8841#B	C-MSS-91030

Table 2 - New Links FOR REFERENCE ONLY

L_4	rel	text	clarification	RBR	text	clarification	interp.
C-MSS-12170	B0	The MSS MUI Service shall provide the capability to register and unregister management applications.		SMC-1000#B	The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for: a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data		HPOV & Tivoli provide APIs for applications to perform itemized functions.
C-MSS-18060	B0	The Management Data Access Service shall provide the capability for an operator to access management data via a log browser.		ESN-1000#B	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.		Staff is to analyze and recommend corrective action. Future releases are to consider the automation of staff activities.

C-MSS-18070	B0	The MSS Management Data Access Service shall provide the capability to selectively access management data.	This refers to the capability to sort and filter events in the management logs.	ESN-1000#B	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.		Staff is to analyze and recommend corrective action. Future releases are to consider the automation of staff activities.
C-MSS-18260	B0	The MSS Management Data Access Service shall have the capability to schedule the transfer and loading log files into the management database at the site.		SMC-1000#B	The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for: a. Capturing, by an application, of management data b. Exchanging management data between a managed application and its management agent c. Exchanging management data between a management agent and the LSM d. Performing analyses and generating reports using management data		HPOV & Tivoli provide APIs for applications to perform itemized functions.
C-MSS-18330	B0	MSS shall provide the capability for an applications to append records to a log file.		IMS-1665#B	The IMS shall provide to the SMC, IMS services usage by each user (to include at a minimum user name, IMS service identification, date/time stamp, time expended, facilities used) for later reporting and determination of access patterns.		
C-MSS-18340	B0	The MSS Management Data Access Service shall provide the capability for an operator to selectively read a record from a log file		ESN-1000#B	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.		Staff is to analyze and recommend corrective action. Future releases are to consider the automation of staff activities.
C-MSS-36090	B0	The MSS Management Agent Service shall provide an extensible ECS management agent for ECS applications		DADS1320#B	Each DADS shall provide to the SMC fault isolation information at the DADS system and subsystem levels.		

C-MSS-36090	B0	The MSS Management Agent Service shall provide an extensible ECS management agent for ECS applications		IMS-1665#B	The IMS shall provide to the SMC, IMS services usage by each user (to include at a minimum user name, IMS service identification, date/time stamp, time expended, facilities used) for later reporting and determination of access patterns.		
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0070#B	The ESN shall support the intrasite elements data flow requirements identified in this specification.	ESN supports non-DAAC component services or capabilities including GSFC, SMC, and EOC (FOS) connectivity. At GSFC the ESN intrasite communications include the SMC and EOC (FOS) for management data exchanges.	
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0620#B	The ESN shall include a network management function to monitor and control the ESN.	ESN is considered to be ECS site networks.	
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0740#B	The ESN network management service shall retrieve performance/fault data about ESN protocol stacks and equipment.		

C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0790#B	The ESN shall include the following configuration management functions at a minimum: a. collect information describing the state of the network subsystem and its communications resources, b. exercise control over the configuration, parameters, and resources of the subsystem, and over the information collected, c. store the configuration information collected, and d. display the configuration information		
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0810#B	ESN shall provide the following fault management functions at a minimum: a. detect the occurrence of faults, b. control the collection of fault information, and c. diagnose the probable cause of a detected fault		
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0840#B	The ESN shall have error reporting, event logging and generation of alerts.		
C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-0900#B	Errors and events to be detected shall include at least: a. communications software version or configuration errors b. communications hardware errors c. protocol errors d. performance degradation conditions e. telecommunications errors and failures		

C-MSS-36100	B0	The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.		ESN-1070#B	The ESN shall provide the capability to perform the following functions, at a minimum: a. generate/collect network statistics b. control collection/generation of network statistics c. store system statistics and statistical histories d. display the system statistics e. track end-to-end transaction performance		
C-MSS-40000	B0	The MSS configuration management application service at each site shall track the following items at the site by name and identifier: a._ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b._ECS releases and site baselines c._ECS hardware and software resources designated as configuration items d._specifications asscoiated with configuration items e._technical documentation and test materials f._scientific algorithms, including software, data and test materials (DAACs only)		DADS1860#B	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.	Operations staff use SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	

C-MSS-40120	B0	The MSS configuration management application service at the SMC shall track the names and identifiers of the following items deployed at the sites: a._ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b._ECS releases and baselines c._ECS hardware and software resources designated as configuration items d._technical documentation and test materials; e._scientific algorithms, including software, data and test materials (DAAC's only) f._algorithm processing logic control and calibration coefficients data; g._algorithm test documentation, including specifications, data files, and scripts.		ESN-0650#B	The ESN shall perform the following network management functions for each protocol stack implemented in any ECS element, and each communications facility: a. Network Configuration Management b. Network Fault Management c. Network Performance Management d. Network Security Management		
C-MSS-57500	B0	The Trouble Ticketing Service shall have a graphical user interface to support the entry and editing of trouble tickets.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57510	B0	The Trouble Ticketing Service shall provide the ability to automatically notify the originator of the trouble ticket of changes in status.		SMC-8860#B	The SMC shall have the capability to generate detailed and summary fault management reports describing the fault management of ground resources, including, at a minimum: a. Fault type and description b. Time of occurrence of fault c. Effect on system d. Status of fault resolution e. Fault statistics	B: Full capability - possibly automated using office automation tools.	

C-MSS-57530	B0	The Trouble Ticketing Service shall provide the ability to search historical and current trouble tickets by various criteria including keyword, user id, and trouble ticket ID.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57540	B0	The Trouble Ticketing Service shall provide the ability to forward trouble tickets from one organization to another to facilitate the escalation of trouble tickets (e.g. from DAAC to SMC).		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57540	B0	The Trouble Ticketing Service shall provide the ability to forward trouble tickets from one organization to another to facilitate the escalation of trouble tickets (e.g. from DAAC to SMC).		SMC-8860#B	The SMC shall have the capability to generate detailed and summary fault management reports describing the fault management of ground resources, including, at a minimum: a. Fault type and description b. Time of occurrence of fault c. Effect on system d. Status of fault resolution e. Fault statistics	B: Full capability - possibly automated using office automation tools.	
C-MSS-57560	B0	The Trouble Ticketing Service shall provide the ability to search for trouble tickets relating to the same resource (equipment).		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57580	B0	The Trouble Ticketing Service shall provide the ability to store the following minimum set of information : unique trouble ticket ID, status, description, associated resources, problem solution, originator, keywords.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57600	B0	The Trouble Ticketing Service shall allow entry of a trouble ticket by any registered user of the system.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		

C-MSS-57610	B0	The Trouble Ticketing Service shall provide the capability to generate reports from the its data.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57620	B0	The Trouble Ticketing Service shall allow output of reports to either the screen or printer.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57630	B0	The Trouble Ticketing Service shall provide customization features to allow sites to specify notification and escalation rules.		IMS-0460#B	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		
C-MSS-57630	B0	The Trouble Ticketing Service shall provide customization features to allow sites to specify notification and escalation rules.		SMC-8860#B	The SMC shall have the capability to generate detailed and summary fault management reports describing the fault management of ground resources, including, at a minimum: a. Fault type and description b. Time of occurrence of fault c. Effect on system d. Status of fault resolution e. Fault statistics	B: Full capability - possibly automated using office automation tools.	
C-MSS-58010	B0	The Contact Log Service shall provide an Application Program Interface which supports integration of entry of contacts by other packages.		IMS-1645#B	The IMS shall accept from the users and output to the SMC, user feedback information, which shall contain the following at a minimum: a. Product data quality assessment b. Schedule performance assessment c. Evaluation of quality of ECS service	User comments are free form text.	User feedback shall be comments (i.e., freeform text) only.

C-MSS-58060	B0	The Contact Log Service shall allow entry of a contact log by any operator of the system.		SMC-8800#B	The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include: a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback	B: Full capability	
C-MSS-58120	B0	The Contact Log Service shall allow automatic population of create time.		SMC-8800#B	The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include: a. Scheduled versus actual data collection, processing, retrieval, and delivery of routine data b. Scheduled versus actual data collection, processing, retrieval, and delivery of user requested data c. Reason(s) for failure to meet schedules d. Quality of the data e. Ground operations event execution f. Number of interactive user requests and timeliness of response g. User feedback	B: Full capability	
C-MSS-60300	B0	The MSS Fault Management Application Service shall provide the capability to verify connectivity between selected pairs of hosts on the ESN.		ESN-0760#B	The ESN report generation function shall provide, on an interactive and scheduled basis, accounting, network configuration, fault and performance management information.		

C-MSS-60300	B0	The MSS Fault Management Application Service shall provide the capability to verify connectivity between selected pairs of hosts on the ESN.		ESN-0810#B	ESN shall provide the following fault management functions at a minimum: a. detect the occurrence of faults, b. control the collection of fault information, and c. diagnose the probable cause of a detected fault		
C-MSS-60390	B0	The MSS Fault Management Application Service at the sites shall, for faults detected within its site, isolate, locate, and identify faults to the level of: _a._subsystem _b._equipment _c._software		DADS1310#B	Each DADS shall track and report to the SMC problems such as missing or corrupted files requiring restoration or regeneration of data.	B: Track and Report problems	
C-MSS-60390	B0	The MSS Fault Management Application Service at the sites shall, for faults detected within its site, isolate, locate, and identify faults to the level of: _a._subsystem _b._equipment _c._software		DADS1320#B	Each DADS shall provide to the SMC fault isolation information at the DADS system and subsystem levels.		
C-MSS-60610	B0	The MSS Fault Management Application Service shall have the capability to build histories for different types of errors and events detected, for the purpose of analysis.		ESN-1000#B	The ESN network management function shall have the capability to build histories for different types of errors and events, and the capability to analyze errors and recommend corrective action wherever practical.		Staff is to analyze and recommend corrective action. Future releases are to consider the automation of staff activities.

C-MSS-66070	B0	The MSS Performance Management Application Service shall be capable of receiving unrequested performance data from ECS managed objects.		SMC-3300#B	The SMC shall monitor site and element hardware, and scientific and system software status to determine their operational states including, at a minimum: a. On-line b. Failed c. In maintenance d. In test mode e. In simulation mode		SMC through HPOV can monitor application servers.
C-MSS-66070	B0	The MSS Performance Management Application Service shall be capable of receiving unrequested performance data from ECS managed objects.		SMC-3305#B	The LSM shall monitor its element's hardware, and scientific and system software status to determine their operational states including, at a minimum : a. On-line b. Failed c. In maintenance d. In test mode e. In simulation mode		
C-MSS-66320	B0	MSS shall be capable of receiving the following performance data from the Data Server: a. total order volume b. elapsed time of Data Server events		DADS1340#B	Each DADS shall use tools to analyze system performance.		
C-MSS-67000	B0	The MSS performance management application service shall be capable of extracting values of performance metrics gathered for a specified managed objects over a configurable period of time from the Management Database.		IMS-1650#B	IMS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests		

C-MSS-67010	B0	The MSS performance management application service shall be capable of generating a graph of the extracted performance metric values.		DADS1340#B	Each DADS shall use tools to analyze system performance.		
C-MSS-68090	B0	The MSS Performance Management Application Service shall have the capability to generate reports from collected management data.		DADS1340#B	Each DADS shall use tools to analyze system performance.		
C-MSS-75045	B0	The MSS Accountability Management Service shall be capable of receiving requests for the status of a specified data order from M&O operators.		IMS-1060#B	The IMS shall maintain a cross reference of processing performed, data sets produced, supporting data used, and data recipient.		
C-MSS-75050	B0	The MSS Accountability Management Service shall be capable of receiving requests for user account history data from M&O operators.		IMS-1060#B	The IMS shall maintain a cross reference of processing performed, data sets produced, supporting data used, and data recipient.		
C-MSS-75052	B0	The MSS shall provide the user with registration approval results when new ECS user accounts are requested.		IMS-0060#B	The IMS shall, when creating ECS user accounts, request registration approval, user account priorities, and authorized user services from the SMC.		
C-MSS-75055	B0	The MSS Accountability Management Service shall be capable of sending requested status of a specified data order to M&O operators.	Release A version of Accountability Management Service	SMC-7300#B	The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum: a. Users identifications b. Addresses c. Allowed privileges		
C-MSS-75057	B0	The MSS Accountability Management Service shall be capable of sending requested user account history data to M&O operators.	Release A version of Accountability Management Service	IMS-1060#B	The IMS shall maintain a cross reference of processing performed, data sets produced, supporting data used, and data recipient.		

C-MSS-76000	B0	The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.		IMS-1060#B	The IMS shall maintain a cross reference of processing performed, data sets produced, supporting data used, and data recipient.		
C-MSS-76000	B0	The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.		IMS-1660#B	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories		
C-MSS-76000	B0	The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.		SDPS0010#B	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		
C-MSS-76005	B0	The MSS Accountability Management Service shall be capable of retrieving user history data for a specified managed resource.		SDPS0010#B	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		

C-MSS-76010	B0	The MSS accountability management service shall be capable of querying user activity data stored in the Management Database.		IMS-1660#B	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories		
C-MSS-76010	B0	The MSS accountability management service shall be capable of querying user activity data stored in the Management Database.		SDPS0010#B	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		
C-MSS-77050	B0	The MSS accountability management service shall be capable of interfacing with the SDPS subsystems to determine the status of an ordered data item to be: a. Pending b. Operator intervention c. Staging d. Transferring e. Not Found f. Waiting for Shipment g. Shipped		IMS-1310#B	The IMS shall provide the capability to accept, from product requesters, product distribution status requests, retrieve the request status, and display the status to The requester for an ECS, ADC, or ODC data product.	ECS will support this requirement by users contacting ops/user services who then utilize an ops MSS interface to obtain status.	
C-MSS-90020	B0	The DBMS shall support a client-server design paradigm with distributed data allocation.		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	
C-MSS-90020	B0	The DBMS shall support a client-server design paradigm with distributed data allocation.		SMC-8305#B	The LSM shall have the same report generator capability as for the SMC, except it shall be limited to generating reports covering only its particular site or its particular element.		

C-MSS-90120	B0	The DBMS shall be compatible with the ECS Fault and Performance Management Application Services to support the transfer of management events and data.		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	
C-MSS-90120	B0	The DBMS shall be compatible with the ECS Fault and Performance Management Application Services to support the transfer of management events and data.		SMC-8305#B	The LSM shall have the same report generator capability as for the SMC, except it shall be limited to generating reports covering only its particular site or its particular element.		
C-MSS-90170	B0	The DBMS shall provide the following bulk data load capabilities: a. direct writes from data files to database b. loading of files containing fixed and variable length records c. incremental bulk load d. Maintain indexes during data loads		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	
C-MSS-90170	B0	The DBMS shall provide the following bulk data load capabilities: a. direct writes from data files to database b. loading of files containing fixed and variable length records c. incremental bulk load d. Maintain indexes during data loads		SMC-8305#B	The LSM shall have the same report generator capability as for the SMC, except it shall be limited to generating reports covering only its particular site or its particular element.		

C-MSS-90200	B0	The DBMS shall perform on-line disk management functions to include: a. Relocation of database files to different disks b. Expansion of database size by adding new physical data files to it on-line c. Dynamic pre-allocation of contiguous space for tables d. Database objects and indexes can span physical files e. Database objects and indexes can exist on different disks		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	
C-MSS-90200	B0	The DBMS shall perform on-line disk management functions to include: a. Relocation of database files to different disks b. Expansion of database size by adding new physical data files to it on-line c. Dynamic pre-allocation of contiguous space for tables d. Database objects and indexes can span physical files e. Database objects and indexes can exist on different disks		SMC-8305#B	The LSM shall have the same report generator capability as for the SMC, except it shall be limited to generating reports covering only its particular site or its particular element.		
C-MSS-90210	B0	The DBMS shall support the following features: a. Data compression of nulls and variable length character strings, and indexes b. Space reclaimed from deleted records automatically c. Variable-length column storage		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	

C-MSS-90210	B0	The DBMS shall support the following features: a. Data compression of nulls and variable length character strings, and indexes b. Space reclaimed from deleted records automatically c. Variable-length column storage		SMC-8305#B	The LSM shall have the same report generator capability as for the SMC, except it shall be limited to generating reports covering only its particular site or its particular element.		
C-MSS-90520	B0	The Report Generator shall have the capability to generate ad hoc reports from management data maintained in the DBMS.		IMS-1700#B	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries		Core metadata includes the quality assessment data.
C-MSS-90520	B0	The Report Generator shall have the capability to generate ad hoc reports from management data maintained in the DBMS.		SMC-8700#B	The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum: a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC	B: Fully automated	
C-MSS-90530	B0	The Report Generator shall provide the capability to format reports to include the report: a._title b._header c._footer d._page number e._date/time of report		SMC-8700#B	The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum: a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC	B: Fully automated	

C-MSS-90530	B0	The Report Generator shall provide the capability to format reports to include the report: a._title b._header c._footer d._page number e._date/time of report		SMC-8770#B	The SMC shall have the capability to generate, at a minimum, detailed and summary reports showing the inventory of: a. Hardware, system, and scientific software b. Spares and consumables		
C-MSS-91010	B0	The MSS Office Automation word processing capability shall facilitate the: a._preparation, revision, and recording of documents, messages, reports, and data b._import, transformation, and editing of documents produced by other word processing packages c._insertion of worksheet and graphic images into documents, messages, and reports d._transfer of document, message, and report information to spreadsheet and graphics applications e._printing of documents, messages, reports, and data		SMC-8300#B	The SMC shall have a generalized report generator with the capability to customize output reports covering, at a minimum, data previously captured in a management DBMS including: a. All or portions of the system b. Variable amounts of time	Time is an accessible attribute with a SQL query.	

C-MSS-91010	B0	The MSS Office Automation word processing capability shall facilitate the: a._preparation, revision, and recording of documents, messages, reports, and data b._import, transformation, and editing of documents produced by other word processing packages c._insertion of worksheet and graphic images into documents, messages, and reports d._transfer of document, message, and report information to spreadsheet and graphics applications e._printing of documents, messages, reports, and data		SMC-8700#B	The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum: a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC	B: Fully automated	
C-MSS-91030	B0	The MSS Office Automation shall provide a graphics capability that enables: a._the development, modification, recording, and printing of graphic images b._the transfer of graphics images to word processing documents, messages, and reports.		SMC-8700#B	The SMC shall have the capability to generate a functional allocation report which gives the current allocation of ground segment functions to the sites and elements, including, at a minimum: a. The allocation of generation and storage function by standard product to each active archive b. The allocation of instrument responsibility to each ICC	B: Fully automated	
C-MSS-91030	B0	The MSS Office Automation shall provide a graphics capability that enables: a._the development, modification, recording, and printing of graphic images b._the transfer of graphics images to word processing documents, messages, and reports.		SMC-8841#B	The SMC shall have the capability to generate detailed and summary user feedback analysis reports describing the results of analyzing user satisfaction queries, including, at a minimum: a. User information b. Type of transaction c. Satisfaction statistics d. User recommendations e. SMC recommendations	B: Full capability using office automation tools	